

=> d his

(FILE 'HOME' ENTERED AT 14:11:12 ON 10 SEP 2002)

FILE 'REGISTRY' ENTERED AT 14:11:28 ON 10 SEP 2002

L1 62404 S [CESTK][ILVAXG][KRGX][STXCEDK][KRGX][KRGX]/SQSP  
L2 1182 S L1 AND 7<SQL<17  
L3 73 S L2 AND CYCL?/NTE  
L4 3 S L3 AND ABU/NTE  
L5 73 S L3

5981478

1  
CRR ETAWAE

L5 ANSWER 68 OF 73 REGISTRY COPYRIGHT 2002 ACS  
RN 81471-80-9 REGISTRY  
CN Cyclo(L-cysteinylglycylglycyl-L-cysteinylglycylglycyl-L-cysteinylglycylglycyl) (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN 1,4,7,10,13,16,19,22,25-Nonaazacycloheptacosane, cyclic peptide deriv.  
CN Cyclic(L-cysteinylglycylglycyl-L-cysteinylglycylglycyl-L-cysteinylglycylglycyl)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 9  
NTE cyclic

SEQ 1 CGGCGGGCGG  
=====

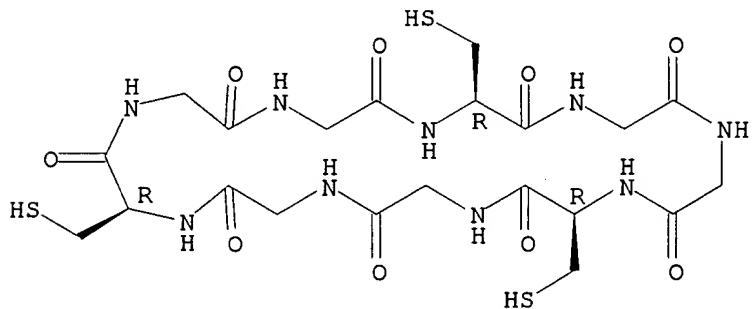
HITS AT: 1-6, 1-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C21 H33 N9 O9 S3

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 58 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 136803-05-9 REGISTRY

CN Cyclo(glycylglycyl-L-lysylglycylglycyl-L-lysylglycylglycyl-L-lysyl) (9CI)  
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1,4,7,10,13,16,19,22,25-Nonaazacycloheptacosane, cyclic peptide deriv.

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE cyclic

SEQ 1 GGKGGKGGK

=====

HITS AT: 1-8, 3-9

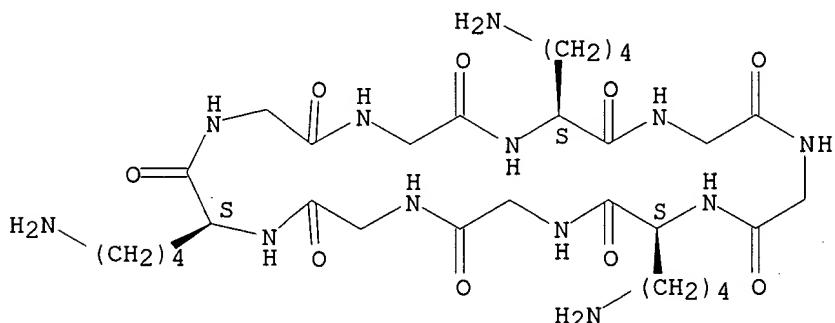
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C30 H54 N12 O9

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 59 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 136803-03-7 REGISTRY

CN Cyclo[glycylglycyl-L-lysylglycylglycyl-L-lysylglycylglycyl-N6-[[3,5-bis(carboxymethyl)phenyl]acetyl]-L-lysyl], cyclic  
(9.fwdarw.3), (9.fwdarw.6)-bis(peptide) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 6,16,22,25,28,31,34,37,39,42,45,51-Dodecaazatetracyclo[19.17.8.7.11,30.19,1

L5 ANSWER 5 OF 73 REGISTRY COPYRIGHT 2002 ACS  
 RN 334830-76-1 REGISTRY  
 CN Pseudomycin C, 1-[N-(1-oxohexadecyl)-L-serine]- (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 9  
 NTE **cyclic**  
 modified (modifications unspecified)

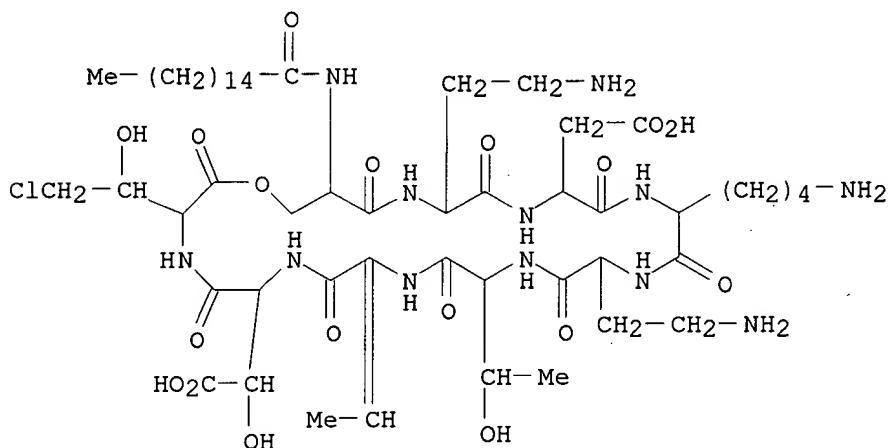
type	----- location -----	description
uncommon	Abu-1	-
uncommon	Und-4	-
uncommon	Dab-5	-
uncommon	Dab-8	-

SEQ 1 XDTXXDKXT  
 =====

HITS AT: 3-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C53 H91 Cl N12 O18  
 SR CA  
 LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 6 OF 73 REGISTRY COPYRIGHT 2002 ACS  
 RN 334830-75-0 REGISTRY  
 CN Pseudomycin C', 1-[N-(3-hydroxy-1-oxohexadecyl)-L-serine]- (9CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 9  
 NTE **cyclic**  
 modified (modifications unspecified)

type	----- location -----	description
uncommon	Abu-1	-
uncommon	Und-4	-

uncommon	Dab-5	-	-
uncommon	Dab-8	-	-

---

SEQ 1 XDTXXDKXT

=====

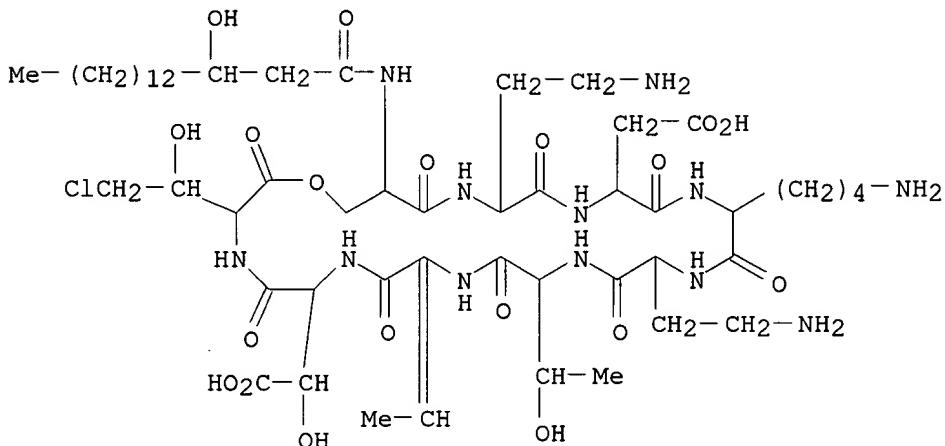
HITS AT: 3-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C53 H91 C1 N12 O19

SR CA

LC STN Files: CA, CAPLUS



1 REFERENCES IN FILE CA (1967 TO DATE)

1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 7 OF 73 REGISTRY COPYRIGHT 2002 ACS

RN 334830-74-9 REGISTRY

CN Pseudomycin C', 1-[N-[(3S)-3-hydroxy-1-oxohexadecyl]-L-serine]- (9CI) (CA INDEX NAME)

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 9

NTE **cyclic**

modified (modifications unspecified)

---

L5 ANSWER 72 OF 73 REGISTRY COPYRIGHT 2002 ACS  
 RN 3953-49-9 REGISTRY  
 CN 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaazacyclohexatriacontane-2,20-dipropionic acid, 11,29-bis(4-aminobutyl)-3,6,9,12,15,18,21,24,27,30,33,36-dodecaoxo- (7CI, 8CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE  
 SQL 12  
 NTE **cyclic**

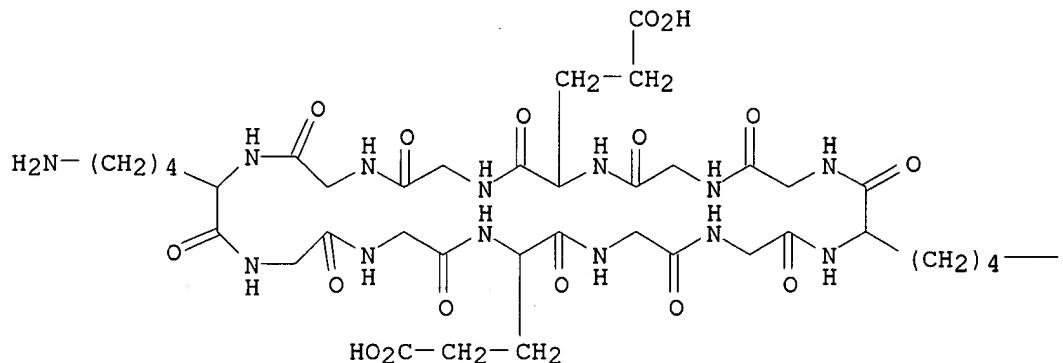
SEQ 1 EGGKGEGGK GG  
 ====== ==

HITS AT: 1-9, 1-12

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C38 H62 N14 O16  
 LC STN Files: CAOLD

PAGE 1-A



PAGE 1-B

—NH<sub>2</sub>

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 73 OF 73 REGISTRY COPYRIGHT 2002 ACS  
 RN 3556-59-0 REGISTRY  
 CN 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaazacyclohexatriacontane-2,20-dipropionic acid, 3,6,9,12,15,18,21,24,27,30,33,36-dodecaoxo-11,29-bis[4-(2,2,2-trifluoroacetamido)butyl]-, dimethyl ester (7CI, 8CI) (CA INDEX NAME)  
 FS PROTEIN SEQUENCE  
 SQL 12  
 NTE **cyclic**  
 modified (modifications unspecified)

-----  
 type ----- location ----- description

---

modification	Glu-1	-	methyl<Me>
modification	Lys-4	-	trifluoroacetyl< Tfa >
modification	Glu-7	-	methyl<Me>
modification	Lys-10	-	trifluoroacetyl< Tfa >

---

SEQ 1 EGGKGEGGK GG

===== ==

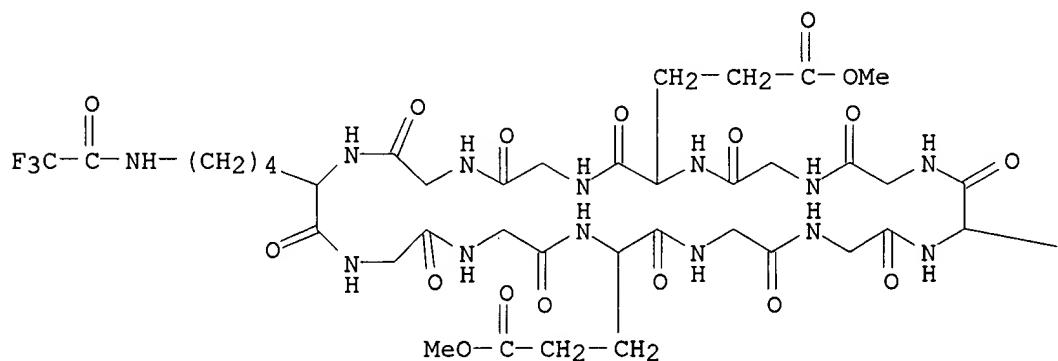
HITS AT: 1-9, 1-12

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

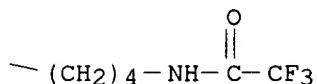
MF C44 H64 F6 N14 O18

LC STN Files: CAOLD

PAGE 1-A



PAGE 1-B



ANSWER 9 OF 73 REGISTRY COPYRIGHT 2002 ACS  
RN 329077-15-8 REGISTRY  
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-tryptophyl-D-proyl-L-proyl-L-tryptophyl-L-lysyl-L-valyl) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 10  
NTE **cyclic**

SEQ 1 RKKKWPWKV  
===== ==  
HITS AT: 1-4, 9-10  
MF C67 H103 N19 O10  
SR CA  
LC STN Files: CA, CAPLUS  
2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 10 OF 73 REGISTRY COPYRIGHT 2002 ACS  
RN 329077-09-0 REGISTRY  
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-tyrosyl-D-proyl-L-proyl-L-tyrosyl-L-lysyl-L-valyl) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 10  
NTE **cyclic**

SEQ 1 RKKKYPPYKV  
===== ==  
HITS AT: 1-4, 9-10  
MF C63 H101 N17 O12  
SR CA  
LC STN Files: CA, CAPLUS  
2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 11 OF 73 REGISTRY COPYRIGHT 2002 ACS  
RN 329077-03-4 REGISTRY  
CN Cyclo(L-arginyl-L-lysyl-L-lysyl-L-lysyl-L-isoleucyl-D-proyl-L-proyl-L-.alpha.-glutamyl-L-lysyl-L-valyl) (9CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 10  
NTE **cyclic**

SEQ 1 RKKKIPPEKV  
===== ==  
HITS AT: 1-4, 9-10  
MF C56 H101 N17 O12  
SR CA  
LC STN Files: CA, CAPLUS  
2 REFERENCES IN FILE CA (1967 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 12 OF 73 REGISTRY COPYRIGHT 2002 ACS  
RN 205599-42-4 REGISTRY  
CN L-Leucinamide, L-.alpha.-aspartyl-L-alanyl-L-alanyl-L-threonyl-L-alanyl-L-leucyl-L-alanyl-L-asparaginyl-L-alanyl-L-leucyl-L-lysyl-L-lysyl-N-(2-mercaptoethyl)-, (13.fwdarw.2'''), (13'.fwdarw.4'''), (13''.fwdarw.6'''), (13'''.fwdarw.8''')-tetrakis(thioether) with cyclo[3-aminobenzoyl-N6-(mercaptoacetyl)-L-lysyl-3-aminobenzoyl-N6-(mercaptoacetyl)

REFERENCE 2

AN 96:163166 CA  
TI Peptides containing .beta.-turns. I. Cyclo-(Gly-L-Cys-Gly)3 triply  
bridged by 1,3,5-tris-(thiomethyl)benzene  
AU Kemp, D. S.; McNamara, Paul  
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA  
SO Tetrahedron Lett. (1981), 22(46), 4571-4  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English  
  
L5 ANSWER 70 OF 73 REGISTRY COPYRIGHT 2002 ACS  
SQL 9  
NTE **cyclic**  
modified (modifications unspecified)  
  
SEQ 1 CGGCAGCGG  
=====

HITS AT: 1-6, 1-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 106:50619 CA  
TI Raman spectroscopic studies of beta-turn-containing cyclic peptides  
AU Seaton, B. A.  
CS Dep. Chem., MIT, Cambridge, MA, 02139, USA  
SO Spectrochim. Acta, Part A (1986), 42A(2-3), 227-32  
CODEN: SAMCAS; ISSN: 0584-8539  
DT Journal  
LA English

REFERENCE 2

AN 104:34332 CA  
TI Conformationally restricted cyclic nonapeptides derived from L-cysteine  
and LL-3-amino-2-piperidone-6-carboxylic acid (LL-Acp), a potent  
.beta.-turn-inducing dipeptide analog  
AU Kemp, D. S.; McNamara, Paul E.  
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA  
SO J. Org. Chem. (1985), 50(26), 5834-8  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English

REFERENCE 3

AN 96:163166 CA  
TI Peptides containing .beta.-turns. I. Cyclo-(Gly-L-Cys-Gly)3 triply  
bridged by 1,3,5-tris-(thiomethyl)benzene  
AU Kemp, D. S.; McNamara, Paul  
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA  
SO Tetrahedron Lett. (1981), 22(46), 4571-4  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

L5 ANSWER 71 OF 73 REGISTRY COPYRIGHT 2002 ACS  
SQL 10  
NTE **cyclic**

modified

SEQ 1 XXTXXXTXXTL

=====

HITS AT: 3-8

REFERENCE 1

AN 72:79460 CA

TI Chemistry of polymyxin M. XV. Synthesis of analogs. Preparation of cyclic peptides containing L-.alpha.,.gamma.-diaminobutyric acid

AU Salem, Ezzel'din M. S.; Fedoseeva, N. V.; Silaev, A. B.

CS Mosk. Gos. Univ. im. Lomonosova, Moscow, USSR

SO Zh. Obshch. Khim. (1969), 39(11), 2541-5

CODEN: ZOKHA4

DT Journal

LA Russian

L5 ANSWER 72 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 12

NTE cyclic

SEQ 1 EGGKGEGGK GG

===== ==

HITS AT: 1-9, 1-12

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

L5 ANSWER 73 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 12

NTE cyclic

modified (modifications unspecified)

SEQ 1 EGGKGEGGK GG

===== ==

HITS AT: 1-9, 1-12

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

=> d bib, hit 60-

YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/ (N) :y7

YOU HAVE REQUESTED DATA FROM 14 ANSWERS - CONTINUE? Y/ (N) :y

L5 ANSWER 60 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 40,8,8,8,8,8

NTE multichain

linear,linear,linear,linear,**cyclic**  
modified (modifications unspecified)

SEQ 1 KXLXXKXLX

SEQ 1 KXLXXKXLX

SEQ 1 KXLXXKXLX

SEQ 1 KXLXXKXLX

SEQ 1 KXKXXKXX

=====

HITS AT: 1-6, 1-8

REFERENCE 1

AN 117:172031 CA

TI Bifunctional peptides composed of helical segment and sugar, crown ether, or cyclic peptide, and the function regulation

AU Kimura, Shunsaku; Imanishi, Yukio

CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan

SO Pept.: Chem. Biol., Proc. Am. Pept. Symp., 12th (1992), Meeting Date 1991, 371-2. Editor(s): Smith, John A.; Rivier, Jean E. Publisher: ESCOM, Leiden, Neth.

CODEN: 57XGA9

DT Conference

LA English

REFERENCE 2

AN 115:108774 CA

TI Allosteric regulation by calcium dication of hydrophobic pocket constituted by using cyclic peptide as template

AU Kimura, Shunsaku; Imanishi, Yukio

CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan

SO Pept. Chem. (1991), 28th, 183-6

CODEN: PECHDP; ISSN: 0388-3698

DT Journal

LA English

L5 ANSWER 61 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 9

NTE **cyclic**

modified (modifications unspecified)

SEQ 1 GGKGGKGGK

=====

HITS AT: 1-8, 3-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 114:7207 CA  
TI Gly/Lys-containing peptide macrocycles: synthesis and cyclization studies  
AU Crusi, E.; Huerta, J. M.; Andreu, D.; Giralt, E.  
CS Dep. Org. Chem., Univ. Barcelona, Barcelona, E-08028, Spain  
SO Tetrahedron Lett. (1990), 31(29), 4191-4  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

L5 ANSWER 62 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 8

NTE **cyclic**  
modified (modifications unspecified)

SEQ 1 GKXKGKXK  
=====

HITS AT: 1-5, 4-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 124:261663 CA  
TI Pseudo-prolines (.psi.Pro) for accessing inaccessible peptides  
AU Mutter, M.; Nefzi, A.; Sato, T.; Sun, X.; Wahl, F.; Wuhr, T.  
CS Institute of Organic Chemistry, University of Lausanne, Lausanne, Switz.  
SO Peptide Research (1995), 8(3), 145-53  
CODEN: PEREEO; ISSN: 1040-5704  
PB Eaton  
DT Journal  
LA English

REFERENCE 2

AN 120:107688 CA  
TI Template-assembled synthetic proteins (TASP). Cyclic templates with  
incorporated turn-inducing mimics  
AU Ernest, Ivan; Kalvoda, Jaroslav; Sigel, Christoph; Rihs, Grety; Fritz,  
Hans; Blommers, Marcel J. J.; Raschdorf, Fritz; Francotte, Eric; Mutter,  
Manfred  
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.  
SO Helv. Chim. Acta (1993), 76(4), 1539-63  
CODEN: HCACAV; ISSN: 0018-019X  
DT Journal  
LA English

REFERENCE 3

AN 113:232022 CA  
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein  
(TASP) by condensation of a protected peptide on a conformationally  
constrained cyclic carrier  
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.  
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.  
SO Tetrahedron Lett. (1990), 31(28), 4015-18  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

L5 ANSWER 63 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 8

NTE **cyclic**

SEQ 1 GKXKGKXK  
=====

HITS AT: 1-5, 4-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 122:188153 CA  
TI Chemoselective ligation of multifunctional peptides to topological  
templates via thioether formation for TASP synthesis  
AU Nefzi, Adel; Sun, Xicheng; Mutter, Manfred  
CS Inst. Org. Chem., Univ. Lausanne, Lausanne, CH-1015, Switz.  
SO Tetrahedron Letters (1995), 36(2), 229-30  
CODEN: TELEAY; ISSN: 0040-4039  
PB Elsevier  
DT Journal  
LA English

REFERENCE 2

AN 113:232022 CA  
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein  
(TASP) by condensation of a protected peptide on a conformationally  
constrained cyclic carrier  
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.  
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.  
SO Tetrahedron Lett. (1990), 31(28), 4015-18  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

L5 ANSWER 64 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 64,14,14,14,14,8

NTE multichain  
linear, linear, linear, linear, cyclic  
modified (modifications unspecified)

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 GKXKGKXK  
=====

HITS AT: 1-5, 4-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 113:232022 CA  
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein  
(TASP) by condensation of a protected peptide on a conformationally  
constrained cyclic carrier  
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.  
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.  
SO Tetrahedron Lett. (1990), 31(28), 4015-18

CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

L5 ANSWER 65 OF 73 REGISTRY COPYRIGHT 2002 ACS  
SQL 64,14,14,14,14,8  
NTE multichain  
linear,linear,linear,linear,cyclic  
modified

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 DAXTAAXNAX KKLG

SEQ 1 GKXKGKXK  
=====

HITS AT: 1-5, 4-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 119:23044 CA  
TI Synthetic peptide and template-assembled synthetic protein models of the hen egg white lysozyme 87-97 helix: importance of a protein-like framework for conformational stability in a short peptide sequence  
AU Vuilleumier, Stephane; Mutter, Manfred  
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.  
SO Biopolymers (1993), 33(3), 389-400  
CODEN: BIPMAA; ISSN: 0006-3525  
DT Journal  
LA English

REFERENCE 2

AN 113:232022 CA  
TI Synthesis of a 4-helix bundle-like template-assembled synthetic protein (TASP) by condensation of a protected peptide on a conformationally constrained cyclic carrier  
AU Ernest, I.; Vuilleumier, S.; Fritz, H.; Mutter, M.  
CS Inst. Org. Chem., Univ. Basel, Basel, CH-4056, Switz.  
SO Tetrahedron Lett. (1990), 31(28), 4015-18  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

L5 ANSWER 66 OF 73 REGISTRY COPYRIGHT 2002 ACS  
SQL 8  
NTE cyclic  
modified (modifications unspecified)

SEQ 1 KXKXKXKX  
=====

HITS AT: 1-6, 1-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 111:111294 CA  
TI Calcium transport through lipid membrane by diastereomer cyclic octapeptides  
AU Kimura, Shunsaku; Ozeki, Eiichi; Imanishi, Yukio  
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan  
SO Biopolymers (1989), 28(7), 1247-57  
CODEN: BIPMAA; ISSN: 0006-3525  
DT Journal  
LA English

REFERENCE 2

AN 109:124493 CA  
TI Calcium transport through lipid membranes by cyclic octapeptides  
AU Kimura, Shunsaku; Imanishi, Yukio  
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan  
SO Pept. Chem. (1988), Volume Date 1987 721-4  
CODEN: PECHDP; ISSN: 0388-3698  
DT Journal  
LA English

L5 ANSWER 67 OF 73 REGISTRY COPYRIGHT 2002 ACS

SQL 8

NTE **cyclic**  
modified (modifications unspecified)

SEQ 1 KXKXKXKX  
=====

HITS AT: 1-6, 1-8

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 115:108774 CA  
TI Allosteric regulation by calcium dication of hydrophobic pocket constituted by using cyclic peptide as template  
AU Kimura, Shunsaku; Imanishi, Yukio  
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan  
SO Pept. Chem. (1991), 28th, 183-6  
CODEN: PECHDP; ISSN: 0388-3698  
DT Journal  
LA English

REFERENCE 2

AN 111:111294 CA  
TI Calcium transport through lipid membrane by diastereomer cyclic octapeptides  
AU Kimura, Shunsaku; Ozeki, Eiichi; Imanishi, Yukio  
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan  
SO Biopolymers (1989), 28(7), 1247-57  
CODEN: BIPMAA; ISSN: 0006-3525  
DT Journal  
LA English

REFERENCE 3

AN 109:124493 CA  
TI Calcium transport through lipid membranes by cyclic octapeptides  
AU Kimura, Shunsaku; Imanishi, Yukio

CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan  
SO Pept. Chem. (1988), Volume Date 1987 721-4  
CODEN: PECHDP; ISSN: 0388-3698  
DT Journal  
LA English

REFERENCE 4

AN 105:129517 CA  
TI Calcium ion transport through lipid membrane by cyclic octapeptide  
cyclo[-Lys(Z)-Sar-Leu-Sar-Leu-Sar-Leu-Sar-]  
AU Kimura, Shunsaku; Imanishi, Yukio  
CS Dep. Polym. Chem., Kyoto Univ., Kyoto, 606, Japan  
SO Pept. Chem. (1986), Volume Date 1985, 23rd, 273-6  
CODEN: PECHDP; ISSN: 0388-3698  
DT Journal  
LA English

LS ANSWER 68 OF 73 REGISTRY COPYRIGHT 2002 ACS  
SQL 9  
NTE **cyclic**

SEQ 1 CGGCAGCGG  
=====

HITS AT: 1-6, 1-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

REFERENCE 1

AN 96:163166 CA  
TI Peptides containing .beta.-turns. I. Cyclo-(Gly-L-Cys-Gly)<sub>3</sub> triply  
bridged by 1,3,5-tris-(thiomethyl)benzene  
AU Kemp, D. S.; McNamara, Paul  
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA  
SO Tetrahedron Lett. (1981), 22(46), 4571-4  
CODEN: TELEAY; ISSN: 0040-4039  
DT Journal  
LA English

LS ANSWER 69 OF 73 REGISTRY COPYRIGHT 2002 ACS  
SQL 8  
NTE **cyclic**  
modified (modifications unspecified)

SEQ 1 CGCGGGCGG  
=====

HITS AT: 3-8

REFERENCE 1

AN 104:34332 CA  
TI Conformationally restricted cyclic nonapeptides derived from L-cysteine  
and LL-3-amino-2-piperidone-6-carboxylic acid (LL-Acp), a potent  
.beta.-turn-inducing dipeptide analog  
AU Kemp, D. S.; McNamara, Paul E.  
CS Dep. Chem., Massachusetts Inst. Technol., Cambridge, MA, 02139, USA  
SO J. Org. Chem. (1985), 50(26), 5834-8  
CODEN: JOCEAH; ISSN: 0022-3263  
DT Journal  
LA English

L5 ANSWER 68 OF 73 REGISTRY COPYRIGHT 2002 ACS  
 RN 81471-80-9 REGISTRY  
 CN Cyclo(L-cysteinylglycylglycyl-L-cysteinylglycylglycyl-L-cysteinylglycylglycyl) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1,4,7,10,13,16,19,22,25-Nonaazacycloheptacosane, cyclic peptide deriv.  
 CN Cyclic(L-cysteinylglycylglycyl-L-cysteinylglycylglycyl-L-cysteinylglycylglycyl)  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 SQL 9  
 NTE **cyclic**

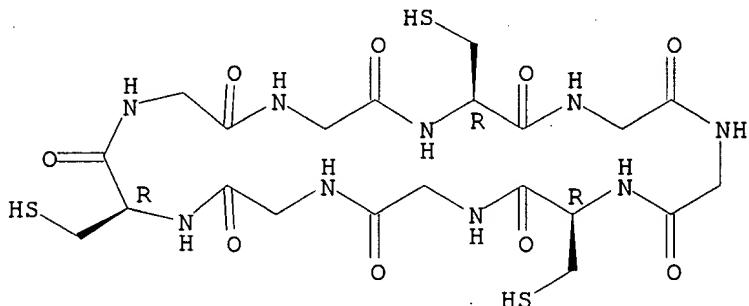
SEQ 1 CGGCAGGCGG  
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HITS AT: 1-6, 1-9

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C21 H33 N9 O9 S3  
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.



1 REFERENCES IN FILE CA (1967 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 72 OF 73 REGISTRY COPYRIGHT 2002 ACS  
RN 3953-49-9 REGISTRY  
CN 1,4,7,10,13,16,19,22,25,28,31,34-Dodecaazacyclohexatriacontane-2,20-  
dipropionic acid, 11,29-bis(4-aminobutyl)-3,6,9,12,15,18,21,24,27,30,33,36-  
dodecaoxo- (7CI, 8CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE  
SQL 12  
NTE cyclic

SEQ 1 EGGKGEGGK GG  
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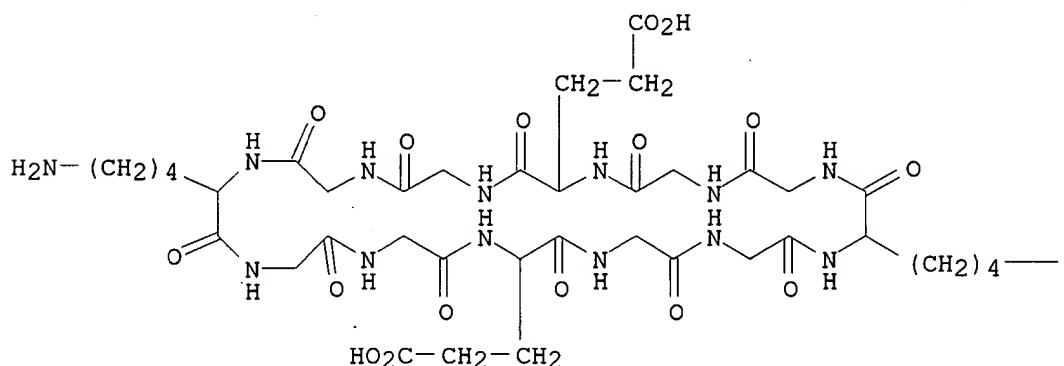
HITS AT: 1-9, 1-12

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C38 H62 N14 O16

LC STN Files: CAOLD

PAGE 1-A

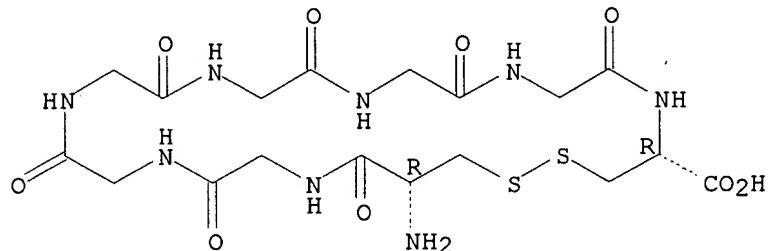


PAGE 1-B

—NH<sub>2</sub>

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1959:13432 CAPLUS  
 DN 53:13432  
 OREF 53:2531e-g  
 TI Fermentation. IV. Syntheses of fermenting models and of cyclic peptide-disulfides as inclusion regions  
 AU Lautsch, W.; Wiemer, B.; Zschenderlein, P.; Kraege, H. J.; Bandel, W.; Gunther, D.; Schulz, G.; Gnichtel, H.  
 CS Freie Univ. Berlin-Dahlem  
 SO Kolloid-Zeitschrift (1958), 161, 36-49  
 CODEN: KOZEA7; ISSN: 0368-6590  
 DT Journal  
 LA Unavailable  
 IT 109642-59-3, 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (formation of, oxidase models and)  
 RN 109642-59-3 CAPLUS  
 CN 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (6CI) (CA INDEX NAME)

Absolute stereochemistry.



L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2003 ACS on STN  
 AN 1957:81087 CAPLUS  
 DN 51:81087  
 OREF 51:14556f-i,14557a-b  
 TI Macromolecular substances derived from inclusion compounds  
 AU Lautsch, W.; Wiechert, R.; Gnichtel, H.; Schuchardt, G.; Kraege, H. J.; Singewald, Ch.; Broser, W.; Becker, H.; Rauhut, H.; Grimm, W.  
 SO Osterr. Chemiker-Ztg. (1957), 58, 33-9  
 DT Journal  
 LA Unavailable  
 IT 109642-59-3, 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (prepn. of)  
 RN 109642-59-3 CAPLUS  
 CN 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (6CI) (CA INDEX NAME)

Absolute stereochemistry.

L6 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2003 ACS on STN  
RN 109642-59-3 REGISTRY  
CN 1,2-Dithia-5,8,11,14,17,20,23-heptaazacyclohexacosane-4-carboxylic  
acid, 25-amino-6,9,12,15,18,21,24-heptaoxo- (6CI) (CA INDEX NAME)  
FS PROTEIN SEQUENCE; STEREOSEARCH  
SQL 8  
NTE

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type	----- location -----	description
bridge	Cys-1 - Cys-8	disulfide bridge

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SEQ 1 CGGGGGGC  
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HITS AT: 1-8

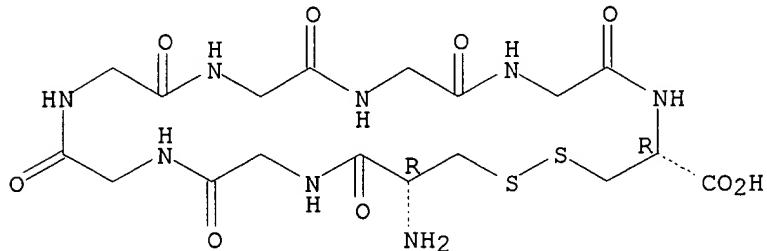
\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

MF C18 H28 N8 O9 S2

SR CAOLD

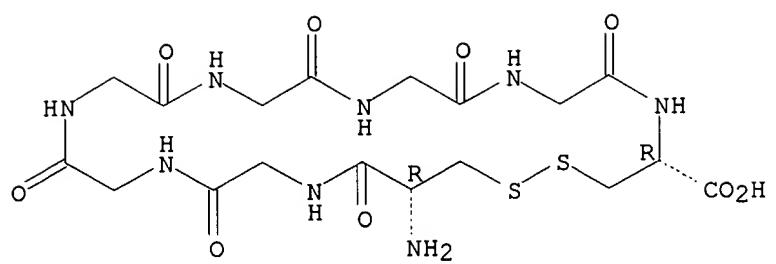
LC STN Files: CA, CAOLD, CAPLUS

Absolute stereochemistry.



3 REFERENCES IN FILE CA (1937 TO DATE)  
3 REFERENCES IN FILE CAPLUS (1937 TO DATE)  
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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